

Work Order ID 149743

July 27, 2016 2:22:28 PM

Change 1 Rev A
149743

Page 1

Item ID: D412-702-071 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Comfort Crew Shoulder Harness
 Start Date: 7/27/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 8/3/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference: ** MUST BE CHG 001 REV A SO127210*

Approvals: Process Plan: *SH* Date: *7/25/16* Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
DSI9612	A
IIN-D412-702-3	A

100 Document Control
DOCUMENT CONTROL

100

DC

Doc.Control -USB or Paperwork

Memo

Photocopy bluefile & type labels per PPPD412-702-071 CHG003

DAS
6
9-89

JUL 23 2016

DAS
28
9-89

AUG 08 0904

110 Pick Kit 0.00

110

Packaging

Packaging

Memo

0.00

DAS
6
9-89

DAS
27
9-89

JUL 29 2016

*CHG 001
PER DS EMAIL*

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition																					
0101 - 006								Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐																			

Work Order ID 149743

July 27, 2016 2:22:29 PM

149743

Page 2

Item ID: D412-702-071

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Comfort Crew Shoulder Harness

Start Date: 7/27/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 8/3/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference: MUST BE CHG 001 REV A SO127210

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.01

Quality Control

DAS
28
9-89

AUG 0 8 2016

130

Packaging

0.00

130

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-702-071
Location:FG029DAS
28
9-89
DAS
27
9-89

AUG 0 8 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.02

Quality Control

CHG 001

AUG 0 8 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval				
Description Work Order Deviation				Disposition				Completed By			
								Lead hand / Supervisor Approval Verification			
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Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : ☐											

Picklist Print

July 27, 2016 2:22:47 PM

Page 1

Work Order ID: 149743

149743

Parent Item: D412-702-071

D412-702-071

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 7/27/2016

Required Date: 8/3/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 11.03.01 new issue DD verf:EC
12.09.05 per DSI9612 DD verf:JFS

IPP Rev:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D4305-041

Manufactured No

110

Each

12.0000

1

1

D4305-041

Shoulder Harness Assembly

**

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Use →

Location

Loc Qty

Loc Code

QRTN

98837

7

~~ST469~~

~~105828~~

7

5

Acceptable to
Engineering
AUG 03 2016

AN3-4A

Purchased

No

110

Each

240.0000

4

4

AN3-4A

Bolt

**

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST350

240

m134955

240

AN4-6A

Purchased

No

110

Each

350.0000

2

2

AN4-6A

BOLT

**

JUL 28 2016

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

over003

336

M134943

200

M135056

136

ST345

14

M128634

2

M134852

12

Picklist Print

July 27, 2016 2:22:47 PM

Page 2

Work Order ID: 149743

149743

Parent Item: D412-702-071

D412-702-071

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 7/27/2016

Required Date: 8/3/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-10A

Purchased

No

110

Each

259.0000

2

2

AN3-10A

Bolt

DAS
27
6 9-89
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

2

m132763

1

m134573

1

over003

100

m134943

100

ST349

157

m134249

56

m134754

6

m135135

95

2

MS21042L3

Purchased

No

110

Each

2,073.0000

6

6

MS21042L3

Nut

DAS
27
6 9-89
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

14

m133790

14

GA

571

m134360

112

m135135

459

OVER007

700

m135135

700

ST303

788

m134039

12

m134943

176

m135056

600

6

JUN 28 2016

July 27, 2016 2:22:47 PM

Shop Packet Print

Page 2

Picklist Print

July 27, 2016 2:22:47 PM

Page 4

Work Order ID: 149743

149743

Parent Item: D412-702-071

D412-702-071

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 7/27/2016

Required Date: 8/3/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

110

Each

2,081.000

6

6

NAS1149D0363.J

Washer

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

402

m134055

402

ST260a

1000

m135297

1000

ST263

679

m134955

679

NAS1149D0432J

Purchased

No

110

Each

764.0000

4

4

NAS1149D0432.J

WASHER

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

26

m131026

26

ST264

738

m134676

738

NAS1149D0463J

Purchased

No

110

Each

1,769.000

4

4

NAS1149D0463.J

WASHER

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

400

M132035

15

M134508

32

M135056

353

ST260a

600

M135056

600

ST263

769

M134943

769

JUL 28 2016

July 27, 2016 2:22:47 PM

Shop Packet Print

Page 4

Shirley Hay

149 743

From: Marc Bellavance
Sent: July 26, 2016 3:07 PM
To: Shirley Hay
Cc: Lori Morris; Linda Lacelle
Subject: RE: NEW SO127210 HELI AUSTRIA GMBH - CAITLIN

Hi Shirley,

Our understanding is that we still have a few CHG 001/Rev. A in stock and up until engineering are done with their PAR it would be acceptable to provide as such. Reference: Cases 8849. SO120740 is a good example.

Marc

From: Shirley Hay
Sent: July-26-16 2:25 PM
To: Marc Bellavance <mbellavance@dartaero.com>
Cc: Lori Morris <lmorris@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>
Subject: FW: NEW SO127210 HELI AUSTRIA GMBH - CAITLIN

Hey Marc

The customer want change 1 rev a and we are currently at change 3....can we go backwards?

Thank you

Have a great day!

SHIRLEY

From: Chantal Chartrand
Sent: July 25, 2016 3:54 PM
To: Sylvie Larocque <slarocque@dartaero.com>; Melanie Fauteux <mfauteux@dartaero.com>
Cc: Linda Lacelle <llacelle@dartaero.com>; Shirley Hay <shay@dartaero.com>; Lori Morris <lmorris@dartaero.com>; Caitlin Crooks <ccrooks@dartaero.com>
Subject: NEW SO127210 HELI AUSTRIA GMBH - CAITLIN

PLEASE FIND ATTACHED NEW SO

HOLD FOR \$\$\$
FREIGHT TBA
CHANGE 001/ REV A required



DART Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 1-613-632-3336 Fax: 1-613-632-4443
sales@dartaero.com

Sales Order Acknowledgment

Sales Order ID : **SO127210**
Customer Purchase Order ID : 150200
Page Number : 1 of 1
Prepared By : Chantal Chartrand

Bill To : CHAUS03
HELI AUSTRIA GMBH
HELIPORT A-5600 ST.
JOHANN/PG. A-5600
AUSTRIA

Ship To :
HELI AUSTRIA GMBH
HELIPORT A-5600 ST.
JOHANN/PG.
AUSTRIA

Change Nbr: 1
Change Date: 07/25/16

Order Date: 07/25/16 3:49:33 PM
Partial Ship: No
Buyer: FLORIAN LAINER
Ship Via: TBA to be advised
Ship Acct #:
Contact Name: FLORIAN LAINER

FOB: Ex Works DART Aerospace
Currency Type : USD
AR Terms: Net 30
Prepayment Terms:
Ship To Phone: +43 6462 4200 12
Email: maint@heli-austria.at

Line Nbr /	Item ID/ Name Item Name	Req Date Promise Date	Taxable Sales	CD	Req Qty	Unit Price Unit of	Discount %	Discounted Unit Price	Extended Price
Line Comments		Sale Tax Percent							
1	D412-702-071	08/22/16	Yes	FN	1.0000	\$2,020.0000 Each	12.00%	\$1,777.6000	\$1,777.60
	Comfort Crew Shoulder Harness	08/22/16	0.00%			0.00%			
	* HOLD FOR DOLLARS								
	* SHIP ORDER AS SOON AS POSSIBLE								
Line Item Total:									\$1,777.60

Total:	\$1,777.60
Sales Tax:	\$0.00
Sales Order Total:	\$1,777.60

Special CAITLIN - FREIGHT TBA ****HOLD FOR \$\$\$**** DO NOT INSURE SHIPMENTS. - CHANGE 001/ REV A required
Instructions:

Note: DART hereby offers for consideration of purchase the above items at the above stated pricing

Approved: _____

GST# 10127 2607 RT001

Shirley Hay

From: Chantal Chartrand
Sent: July 25, 2016 3:54 PM
To: Sylvie Larocque; Melanie Fauteux
Cc: Linda Lacelle; Shirley Hay; Lori Morris; Caitlin Crooks
Subject: NEW SO127210 HELI AUSTRIA GMBH - CAITLIN
Attachments: SO127210 - SO.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

PLEASE FIND ATTACHED NEW SO

HOLD FOR \$\$\$
FREIGHT TBA
CHANGE 001/ REV A required

Have a Great Day,
CHANTAL CHARTRAND

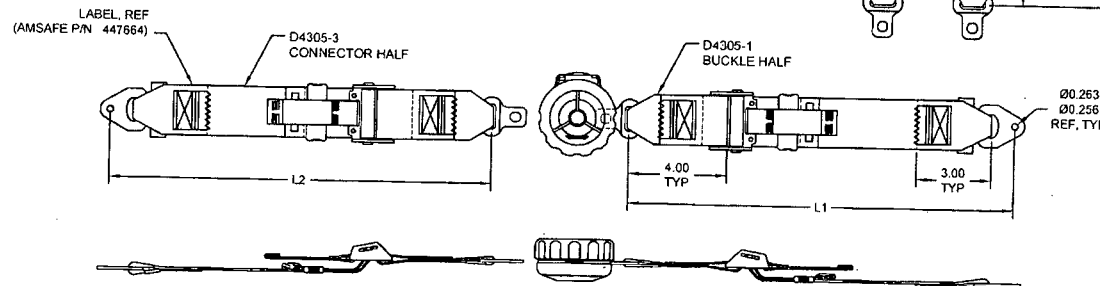
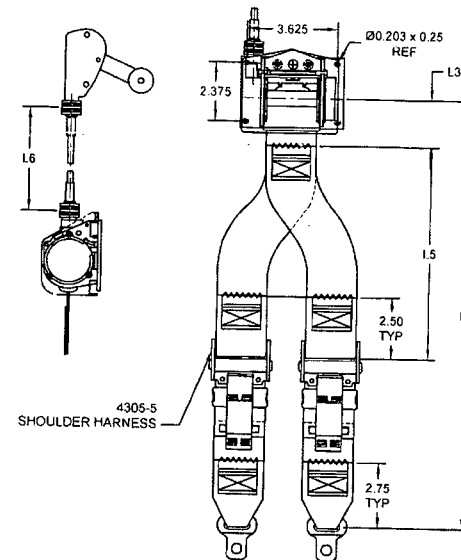
DART AEROSPACE
T 1 613 632-3336 > 265
F 1 613 632-4443
1 800 556- 4166
www.dartaerospace.com



SPECIFICATION CONTROL DRAWING

CHG001

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6
D4305-1	4181-201	BUCKLE HALF	AMSAFE	24.00					
D4305-3	4181-203	CONNECTOR HALF	AMSAFE		24.00				
D4305-5	4181-207	SHOULDER HARNESS	AMSAFE			40.00	85.00	18.00	30.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N 4181-2-151-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
PART No. 4181-2-151-2396
CUST P/N: D4305-041
RATED: 3000 LBS DATE OF MFG
CONFORMS TO TSO-C114
- 7) WEIGHT: 3.36 lbs

D4305-041 SHOULDER HARNESS

RELEASED
2011-02-25

A	NEW ISSUE	RF	10.11.26
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	RF		
MFG. APPR.	RF		
APPROVED	RF		
DE APPR.	RF		
DATE	10.11.26		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. A
DSC-D4305 SHEET 1 OF 1
TITLE SCALE
SHOULDER HARNESS NTS

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WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Work Order ID 98837

March 26, 2013 11:13:31 AM

98837

~~PRELIMINARY ISSUE~~

Page 1

Item ID: D4305-041

Accept

N9000040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Shoulder Harness Assembly

Start Date: 3/26/13 Start Qty: 10.00

10

Cust Item ID:

Required Date: 4/12/13 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals: Process Plan: CZ

Date: 13/05/26 Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop *NR2*

Draw Nbr	Revision Nbr	Run Hours	Test #	Pass Code	Accept Qty	Reject Qty	Reject Number	Resp. Stamp
----------	--------------	-----------	--------	-----------	------------	------------	---------------	-------------

D4305

100

0.00

100

Purchasing

Memo

0.00

Purchasing

Issue P/O: 19430

Supplier: AMSAFE inc.

~~P#4181-2-161-2396~~

Material release note required

P#4181-2-191-2396

Per Rev D Dr

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

~~RMA# 2013-606~~

CZ 13/03/26 10

13/4/14 (10)

134.19

10

Work Order ID 98837

March 26, 2013 11:13:31 AM

98837

Page 2

Item ID: D4305-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Shoulder Harness Assembly

Start Date: 3/26/13 Start Qty: 10.00

10

Cust Item ID:

Required Date: 4/12/13 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <i>ST 267</i>	0.00							
130									
Packaging	Memo <i>ST 267</i>	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

1304-1929
1304-19

MLJ 130419

B-04-19

POSITIVE RECALL

EFFECTIVE *130326* AUTH *h*

RELEASED *h* DATE *130419*
per ECN 13517

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Work Order Update ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric to O/S ☐ Cracks ☐ Crushed/Crimped ☐ Cuffs ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Ripples in Bend ☐ Torque Waves in Extrusion ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damaged ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drill Holes ☐ Drawing ☐ Finish ☐ Folio	☐ Grain ☐ Hardware ☐ Inspection Incomplete ☐ Instructions Incomplete/Unclear ☐ Maintenance ☐ Mislabeled ☐ Misread ☐ Offset ☐ Out of Calibration ☐ Out of Sequence ☐ Outside Dimensions	☐ Ovalized ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
---	---	---	--	---

Picklist Print

March 26, 2013 11:13:31 AM

Page 1

Work Order ID: 98837

Parent Item: D4305-041

Parent Item Name: Shoulder Harness Assembly

Start Date: 3/26/13

Required Date: 4/12/13

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP Rev:A 11.03.01 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4181-2-191-2396 Shoulder Harness w/ Buckle Assembly		Purchased	No				Each	0.0000		10			

4/3/13 10

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Work Order Update ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data ☐									
Equip/Tooling ☐									
Operator ☐									
Material ☐									
Setup ☐									
Other ☐									
Process ☐									
Supplier ☐									
Training ☐									
Unapproved ☐									

FAULT CATEGORY

Landing Gear

- ☐ Bending
- ☐ Centre Not Concentric to O/S
- ☐ Cracks
- ☐ Crushed/Crimped
- ☐ Cuffs
- ☐ Heat Treat
- ☐ Inspection Strip in Tube
- ☐ Ripples in Bend
- ☐ Torque Waves in Extrusion
- ☐ Turning Sequence
- ☐ Wave/Twist in Tube

General

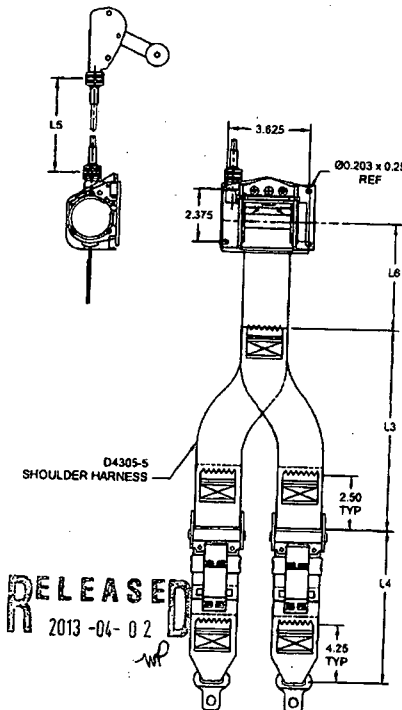
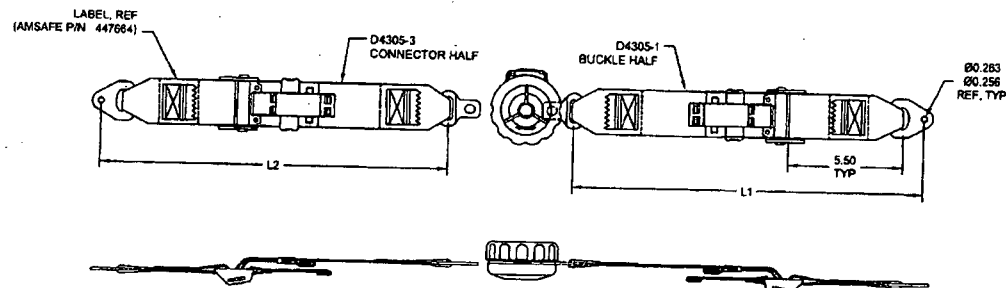
- ☐ Bend
- ☐ BOM/Route
- ☐ Broken/Damaged
- ☐ Burrs
- ☐ Contamination
- ☐ Countersink
- ☐ Cut Too Short
- ☐ Drill Holes
- ☐ Drawing
- ☐ Finish
- ☐ Folio

- ☐ Grain
- ☐ Hardware
- ☐ Inspection Incomplete
- ☐ Instructions Incomplete/Unclear
- ☐ Maintenance
- ☐ Mislabeled
- ☐ Misread
- ☐ Offset
- ☐ Out of Calibration
- ☐ Out of Sequence
- ☐ Outside Dimensions

- ☐ Ovalized
- ☐ Over/Under tolerance
- ☐ Part Incorrect
- ☐ Part Lost/Missing
- ☐ Part Moved
- ☐ Positioned Wrong
- ☐ Power Loss/Surge
- ☐ Pressure/Forced
- ☐ Temperature/Cure
- ☐ Weld
- ☐ Wrong Stock Pulled
- ☐ Other

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00					
D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00				
D4305-5	4181-2071912396	SHOULDER HARNESS	AMSAFE			41.00	4.00-22.00	22.00	40.00



RELEASED
2013-04-02

NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-191-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART OSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N: 4181-2-191-2396
CUST P/N: D4305-041
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.36 lbs

D4305-041 SHOULDER HARNESS

D	ADD D4305-043, REF. PAR12-288	SFM	13.01.21
C	5.50 WAS 4.00, L3 WAS 49.00, L4 WAS 4.00 - 26.00	RP	12.07.03
B	REVERSED ORIENTATION OF ADJUSTER ASSEMBLIES ON D4305-1 AND D4305-3. L1 & L2 WERE 24.00. L4 REDEFINED. L3 WAS L5 AND WAS 18.00. L6 ADDED. L5 WAS L6 AND WAS 30.00. UPDATE AMSAFE PART NUMBERS.	RP	12.05.25
A	NEW ISSUE	RF	10.11.26
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	SFM		
CHECKED	B		
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	13.01.21		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

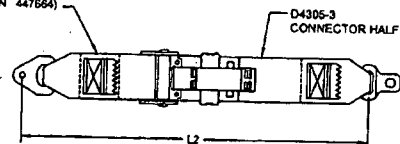
DRAWING NO. DSC-D4305
REV. D
SHEET 1 OF 2
TITLE SHOULDER HARNESS
SCALE NTS

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SPECIFICATION CONTROL DRAWING

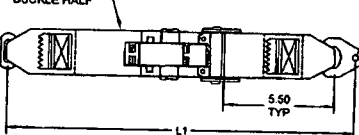
DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00					
D4305-3	4181-2031812396	CONNECTOR HALF	AMSAFE		30.00				
D4305-7	4181-2072012396	SHOULDER HARNESS	AMSAFE			41.00	4.00-22.00	30.00	40.00

LABEL REF
(AMSAFE P/N 447664)

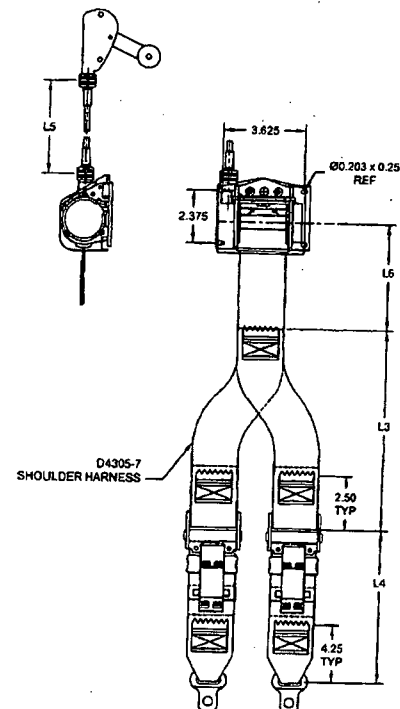
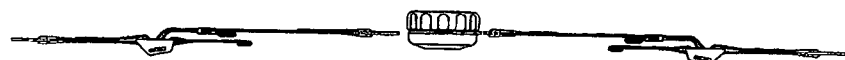


D4305-3
CONNECTOR HALF

D4305-1
BUCKLE HALF



Ø0.263
Ø0.256
REF. TYP



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-201-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N: 4181-2-201-2396
CUST P/N: D4305-043
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.41 lbs

D4305-043 SHOULDER HARNESS

RELEASED
2013-04-02

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	SRM	
CHECKED	IS	DRAWING NO. REV. D
MFG. APPR.		DSC-D4305 SHEET 2 OF 2
APPROVED		TITLE SCALE
DE APPR.		SHOULDER HARNESS NTS
DATE	13.01.21	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND NOT TO BE RELEASED OR SUPPLIED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO19430**

Purchase Order Date 3/26/13

PO Print Date 3/27/13

Page Number 1 of 1

Order From :

VU-AMS001

AMSAFE INC.
LOCKBOX #911928
P.O. BOX 31001-1928

PASADENA, CA 91110-1928
US

Contact Name

Vendor Phone 602 850 2850

Vendor Fax 602 850 2812

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

613/632/27

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED \$

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	4181-2-191-2396	Shoulder Harness w/ Buckle Assembly	4/16/13 Yes	10.00 Each	FedEx PI collect	\$695.5900	\$6,955.90

Special Inst: AS PER DWG D4305 REV.PD1
B98836

AMSAFE P/N: 4181-2-201-2396

2	4181-2-151-2396	Shoulder Harness Assembly	4/16/13 Yes	10.00 Each	FedEx PI collect	\$692.6000	\$6,926.00
---	-----------------	---------------------------	----------------	---------------	------------------	------------	------------

Special Inst: AS PER DWG D4305 REV. PD1
B98837

AMSAFE P/N: 4181-2-151-2396

PO Total: \$13,881.90

FOR DELIVERY OF CONFORMITY
FOR DELIVERY

u *cd*

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - **YES** NO

Change Nbr: 2

Change Date: 3/27/13

AmSafe

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION



CUSTOMER NO.
10006113

SALES ORDER NO.
S252623

BOL NO.
000297830

DATE PRINTED
04/16/13

PAGE NO.
1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
HAWKESBURY, ON K6A 1K7
Canada

DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Canada

CUSTOMER ORDER NO.
PO19430

TERMS
NET30

FREIGHT
COLLECT

SHIP VIA
FedEx P1 10:30 AM

F.O.B.
ORIGIN

Ship to ID: 10006125

Sales Order Remarks: 1517-9324-0
Remarks:

SHIPMENT REFERENCE 000297830

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
2	4181-2-151-2396 REST SYS ASSY	DRAWING: 4181 REV: N CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S252623-2	2013-04-17	10 Expire Ref.	10 10	0
1	4181-2-191-2396 REST SYS ASSY	DRAWING: 4181 REV: N CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S252623-1	2013-04-17	10 Expire Ref.	10 10	0

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):
FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

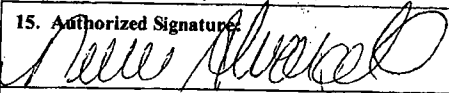
FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X *Lorena Ramirez*
Printed Name: Lorena Ramirez

Dated: APR 16 2013

COUNTRY OF ORIGIN USA

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: S252623-2NA	
4. Organization Name and Address: AMSAFE, INC 1043 NORTH 47 TH AVE PHOENIX, AZ. 85043				Cert. No. PT1967NM		5. Work Order/Contract/Invoice Number: S252623-2 0 PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	REST SYS ASSY	4181-2-151-2396	N/A	10	A0413	NEW	
13. Remarks: DRAWING: 4181 REV: N TSO:C114							
EXPORT AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA							
14. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.				19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: 		16. Approval/Authorization No.: ODA 602112NM		20. Authorized Signature:		21. Approval/Certificate No.:	
17. Name (Typed or Printed): NELLIE ALVARADO		18. Date (m/d/y): APR/16/2013		22. Name (Typed or Printed):		23. Date (m/d/y):	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

REFERENCE ONLY

DART SERVICE INSTRUCTION

TO AMEND IIN-D412-702-3 REV. A OR EARLIER

AND ICA-D412-702 REV. 4 OR EARLIER

REF CANADIAN STC: SH04-7

REF FAA STC: SR01997NY

REF EASA STC: EASA.IM.R.S.00710

DAS
28
9-89

1.0 PURPOSE

THE PURPOSE OF THIS DSI IS TO CORRECT THE HARDWARE CALLED OUT IN THE D412-702-071 KIT.

2.0 WEIGHT AND BALANCE

NO CHANGE.

3.0 PARTS LIST

IS:

QTY -071	P/N	DESCRIPTION
X	D412-702-071	DART PILOT/CO-PILOT SHOULDER HARNESS KIT
1	D4305-041	SHOULDER HARNESS
4	AN3-4A	BOLT
2	AN4-6A	BOLT
2	AN3-10A	BOLT
6	MS21042L3	NUT
2	MS21042L4	NUT
10	NAS1149D0332J	WASHER
6	NAS1149D0363J	WASHER
4	NAS1149D0432J	WASHER
4	NAS1149D0463J	WASHER

WAS:

QTY -071	P/N	DESCRIPTION
X	D412-702-071	DART PILOT/CO-PILOT SHOULDER HARNESS KIT
1	D4305-041	SHOULDER HARNESS
4	AN3-4A	BOLT
2	AN3-6A	BOLT
2	AN3-7A	BOLT
14	NAS1149D0332J	WASHER
8	NAS1149D0363J	WASHER
8	MS21042L3	NUT

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-Q-01

APPROVED

BY: D. Shepherd
D. SHEPHERD (DE # 02)

DATE: 12.05.01
CERT. NO.: SH04-7
ISSUE NO.: 3

A	NEW ISSUE	RP	12.05.01
REV.	DESCRIPTION	BY	DATE
DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	al	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9612	SHEET 1 OF 2
APPROVED	RP	TITLE	PILOT/CO-PILOT HARNESS SCALE
DE APPR.	RP	UPDATES	NTS
DATE	12.05.01	COPYRIGHT © 2012 BY DART AEROSPACE LTD	
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Marc Bellavance

From: David Shepherd
Sent: March-17-15 11:31 AM
To: Harvey Siemens; Marc Bellavance
Cc: Sian Willems
Subject: RE: Comfort Crew Shoulder Harness Kits

Follow Up Flag: Follow up
Flag Status: Completed

Marc,

As discussed, I am OK with supplying Rev A of D4305-041 to this particular customer in this particular instance. But, this should not become common practice.
In general, we should be supplying parts to the latest Rev of the drawing to exercise configuration control. PO and shipping paperwork should clearly reflect that we are supplying D4305-041 Rev A.

Regards,
David

From: Harvey Siemens
Sent: March-17-15 7:21 AM
To: Marc Bellavance; David Shepherd
Subject: RE: Comfort Crew Shoulder Harness Kits

Seems to make sense to me Marc.

Regards,
HS

From: Marc Bellavance
Sent: March-17-15 7:11 AM
To: David Shepherd; Harvey Siemens
Subject: RE: Comfort Crew Shoulder Harness Kits
Importance: High

David/Harvey,

Can I please have an update on this? Customer is asking...

Marc

From: Marc Bellavance
Sent: March-13-15 12:06 PM
To: 'Shepherd, David'; Harvey Siemens
Subject: FW: Comfort Crew Shoulder Harness Kits

David/Harvey,

Please have a look at the trail of emails below. You guys see an issue supplying D4305-041 at Rev. A?

Marc

From: Roy Knaus | Heli - Austria [<mailto:r.knaus@heli-austria.at>]
Sent: March-13-15 10:00 AM
To: Marc Bellavance
Cc: Support Hawkesbury; Shirley Hay
Subject: AW: Comfort Crew Shoulder Harness Kits

Thank you Marc,

Our problem is the length of the harness.

We'll probably have to buy the - 4181-2-151-2396 from Amsafe – or can you deliver them – we'd need two units.

Best regards,
Roy

Von: Marc Bellavance [<mailto:mbellavance@dartaero.com>]
Gesendet: Donnerstag, 12. März 2015 18:55
An: Roy Knaus | Heli - Austria
Cc: Support Hawkesbury; Shirley Hay
Betreff: RE: Comfort Crew Shoulder Harness Kits

Hi Roy,

After review, only the cable lengths are different. As follows:

- D4305-041: cable length = 22 inches (559 mm) long.
- D4305-043: cable length = 30 inches (762 mm) long.

Best regards,
Marc

From: Roy Knaus | Heli - Austria [<mailto:r.knaus@heli-austria.at>]
Sent: March-11-15 2:49 PM
To: Marc Bellavance
Cc: Support Hawkesbury; Shirley Hay
Subject: AW: Comfort Crew Shoulder Harness Kits

Hi Marc,

The new length is far too long and does not work for us.

Is there a different length on the -073 or what is the difference?

Best regards,

Roy

Von: Marc Bellavance [<mailto:mbellavance@dartaero.com>]

Gesendet: Mittwoch, 11. März 2015 14:34

An: Roy Knaus | Heli - Austria

Cc: Support Hawkesbury; Shirley Hay

Betreff: RE: Comfort Crew Shoulder Harness Kits

Hello Roy,

The D412-702-071 is now what it is based on feedback obtained from operators over the years. The new length was changed to accommodate different pilot/co-pilot sizes and to have the adjusters sit lower to prevent them from digging into the pilot/co-pilot shoulders. There should be enough adjustment in the system to perform as well as the earlier version.

Let me know if I can be of further assistance.

Best regards,

Marc Bellavance

Mechanical Designer / Technical Support

DART AEROSPACE

T 1 613 632 5200 > 243

M 1 613 676 0992

F 1 613 632 9311

S marcbellavance

www.dartaerospace.com



Technical Publications: Verify Revision Status/Download [HERE!](#)

From: Shirley Hay

Sent: March-10-15 1:20 PM

To: Support Hawkesbury

Subject: FW: Comfort Crew Shoulder Harness Kits

Hello

Please see below request. sold on the attached SO#

Please let me know if you have any questions or concerns.

Regards

SHIRLEY



From: Roy Knaus [<mailto:r.knaus@heli-austria.at>]
Sent: Tuesday, March 10, 2015 11:00 AM
To: Shirley Hay
Subject: AW: Comfort Crew Shoulder Harness Kits

Hi Shirley,

We have received the D412-702-071, but it does not work.

Please find enclosed pics of the D412-702-071 we already have installed and your unit where the harness is far too long.

P/N is identical, the old LOT number is B77701.

When comparing the AMSAFE data tags please find that the old (proper) P/N is 4181-2-151-2396 and the number on the new unit is 4181-2-191-2396

Can you please check to get me the right unit?

Further I'd please need one 412 Cable Cutters Kit, Standard P/N 647.3701 – can you please let me know price and availability for that?

Best regards,
Roy

Von: Shirley Hay [<mailto:shay@dartaero.com>]
Gesendet: Samstag, 28. Februar 2015 22:11
An: Roy Knaus | Heli - Austria
Betreff: RE: Comfort Crew Shoulder Harness Kits

See you at HAI?

Please let me know if you have any questions or concerns.

SHIRLEY HAY


From: Roy Knaus | Heli - Austria [<mailto:r.knaus@heli-austria.at>]
Sent: Saturday, February 28, 2015 3:07 PM
To: Shirley Hay
Subject: AW: Comfort Crew Shoulder Harness Kits

Hello Shirley,

Please just ship Fedex normal – I will not be back before 8 March.

Best regards,
Roy

Von: Shirley Hay [<mailto:shay@dartaero.com>]
Gesendet: Freitag, 27. Februar 2015 22:51
An: Roy Knaus | Heli - Austria
Betreff: RE: Comfort Crew Shoulder Harness Kits

Hello Roy

Thanks for the order. Can we send it Fedex priority?

Please let me know if you have any questions or concerns.

SHIRLEY HAY



From: Roy Knaus | Heli - Austria [<mailto:r.knaus@heli-austria.at>]

Sent: Friday, February 27, 2015 3:12 PM

To: Shirley Hay

Subject: AW: Comfort Crew Shoulder Harness Kits

Hi Shirley,

I think then we need D412-702-071.

We hereby want to order one unit.

Best regards,
Roy

Von: Shirley Hay [<mailto:shay@dartaero.com>]

Gesendet: Donnerstag, 26. Februar 2015 15:43

An: Roy Knaus | Heli - Austria

Betreff: RE: Comfort Crew Shoulder Harness Kits

Hello Roy

Just from your picture we cannot clearly see which kit will work.

Based on experience, we need the customer to confirm his seat(s) P/N(s).

- D412-702-071 installs on 205-070-799-001/-101 or 212-706-101-001 Pilot/Co-pilot Seat
- D412-702-073 installs on 204-070-468-021/-022 Pilot/Co-pilot Seat

Please let me know if you have any questions or concerns.

SHIRLEY HAY



From: Roy Knaus | Heli - Austria [<mailto:r.knaus@heli-austria.at>]

Sent: Wednesday, February 25, 2015 4:08 PM

To: Shirley Hay
Subject: AW: Comfort Crew Shoulder Harness Kits

Hi Shirley,

Please find enclosed what we have.

Please talk with engineering about the position of the roller that we know what we need to order.

We do have the energy absorbing seats in our 212s.

Best regards,
Roy

Von: Shirley Hay [mailto:shay@dartaero.com]
Gesendet: Mittwoch, 25. Februar 2015 19:34
An: Roy Knaus | Heli - Austria
Betreff: RE: Comfort Crew Shoulder Harness Kits

Hello Roy

Thanks for the request. Please see the attached quote. The only difference is the seats the kits will work on...please see.

D412-702-073

Product Description **Comfort Crew Shoulder Harness**
Special Comments **Provides 4 point attachment for pilot or co-pilot seating position.**
Compatible on DART Aerospace Co-pilot Seat D412-712-011 or OEM seat 204-070-468-021/-022. 1 kit modifies 1 seat.

Aircraft Models **205/212**

D412-702-071

Product Description **Comfort Crew Shoulder Harness**
Special Comments **Provides 4 point attachment for pilot or co-pilot seating position.**
Compatible on DART Aerospace Comfort Seat D205-778-011 or OEM seat 205-070-799-001/-101, 212-706-101-001 1 kit modifies 1 seat.

Please let me know if you have any questions or concerns.

SHIRLEY HAY



From: Roy Knaus [<mailto:r.knaus@heli-austria.at>]

Sent: Wednesday, February 25, 2015 12:14 PM

To: Shirley Hay

Subject: Comfort Crew Shoulder Harness Kits

Hi Shirley,

We'd please need to two comfort crew shoulder harness kits

Can you please tell me the difference between D412-702-071 and D412-702-073 and let me know the pricing?

Best regards,
Roy

Roy Knaus

Heli Austria GmbH

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F: +43 (0)6462-4200-42
M: +43 (0)664-80 440 80
www.heli-austria.at

William Monterroza

From: David Shepherd
Sent: Wednesday, August 03, 2016 8:45 AM
To: William Monterroza
Cc: Marc Bellavance; Kim Johnston; Harvey Siemens; Chris Provencal
Subject: RE: Comfort Crew Shoulder Harness Kits

Will,

As discussed yesterday, I am OK with supplying D4305-041 Rev A one more time, as long as the PO and paperwork are clear as outlined below.

Regards,
David

From: Chris Provencal
Sent: July-28-16 1:07 PM
To: David Shepherd <dshepherd@dartaero.com>
Cc: Marc Bellavance <mbellavance@dartaero.com>; Kim Johnston <kjohnston@dartaero.com>; William Monterroza <wmonterroza@dartaero.com>; Harvey Siemens <hsiemens@dartaero.com>
Subject: RE: Comfort Crew Shoulder Harness Kits

David,

I'm being asked to approve another D412-702-071 @ CHG 001 per customer request. My issue is that the dwg states that the lap belt adjusters were installed backwards on D4305 Rev. A parts. Parts from Rev. B onward have the correct assembly.

I have no history with these parts or the issues & resolution. I just want to confirm that we are OK to ship at CHG 001 (D4305 Rev. A) and that the lap belt adjusters work as intended in either orientation.

Chris

From: David Shepherd
Sent: March-17-15 11:31 AM
To: Harvey Siemens <hsiemens@dartaero.com>; Marc Bellavance <mbellavance@dartaero.com>
Cc: Sian Willems <swillems@dartaero.com>
Subject: RE: Comfort Crew Shoulder Harness Kits

Marc,

As discussed, I am OK with supplying Rev A of D4305-041 to this particular customer in this particular instance. But, this should not become common practice.

In general, we should be supplying parts to the latest Rev of the drawing to exercise configuration control. PO and shipping paperwork should clearly reflect that we are supplying D4305-041 Rev A.

Regards,
David